查询RA351供应商

Micro Commercial Components
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RA351 THRU RA357

35Amp Recover Rectifier 50 to 1000 Volts

Features

- Low Cost
- Low Leakage
- Low Forward Voltage Drop
- High Current Capability
- For Automotive Applications

Maximum Ratings

- Operating Temperature: -55°C to +175°C
- Storage Temperature: -55°C to +175°C

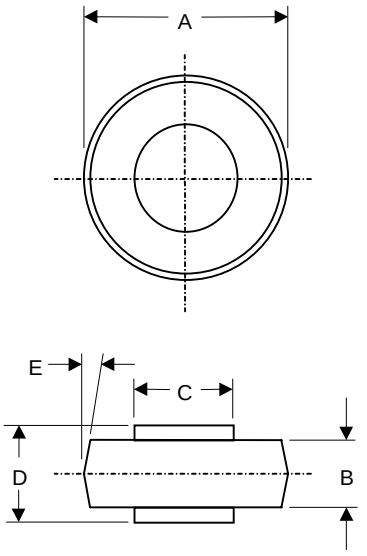
MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
RA351	---	50V	35V	50V
RA352	---	100V	70V	100V
RA353	---	200V	140V	200V
RA354	---	400V	280V	400V
RA355	---	600V	420V	600V
RA356	---	800V	560V	800V
RA357	---	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	35A	T_A = 150°C
Peak Forward Surge Current	I_{FSM}	500A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_F	1.0V	I_{FM} = 35A; T_J = 25°C*
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	5.0 µA 150µA	T_J = 25°C T_J = 100 °C
Typical Junction Capacitance	C_J	100pF	Measured at 1.0MHz, V_R=4.0V

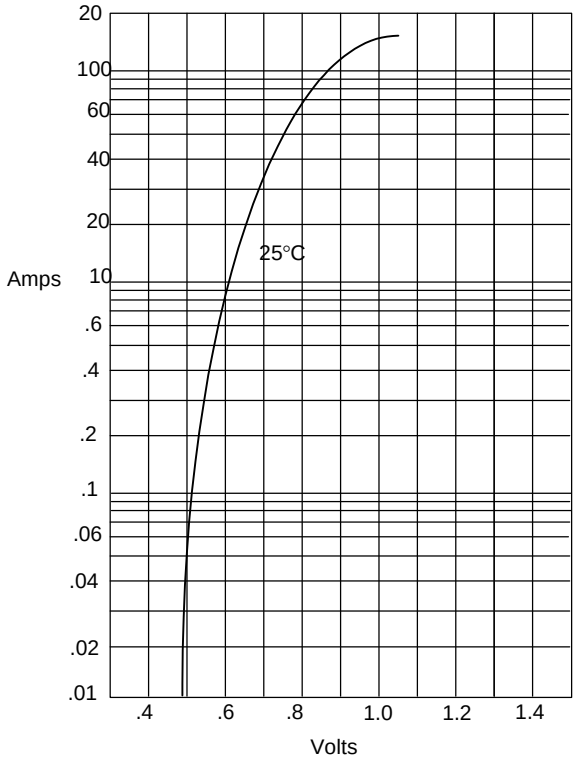
*Pulse test: Pulse width 300 µsec, Duty cycle 2%

RA



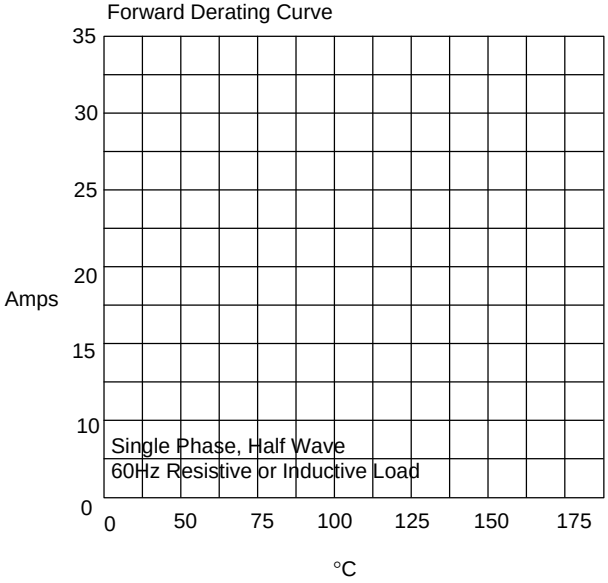
DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
A	.380	.410	9.70	10.40	
B	.165	.185	4.20	4.70	
C	.215	.220	5.50	5.70	
D	.234	.250	6.00	6.40	
E	----	5'	---	5'	

Figure 1
Typical Forward Characteristics



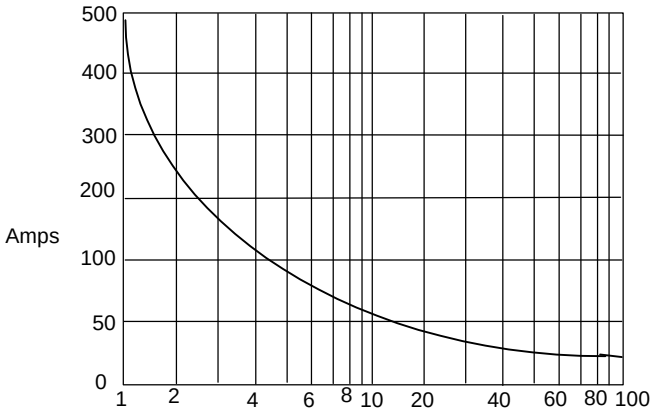
Instantaneous Forward Current - Amperes *versus*
Instantaneous Forward Voltage - Volts

Figure 2
Forward Derating Curve



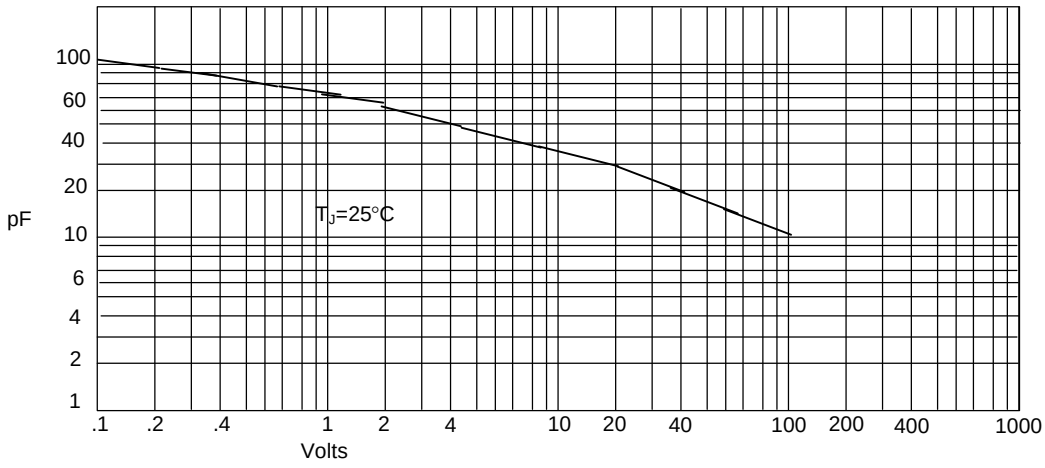
Average Forward Rectified Current - Amperes *versus*
Ambient Temperature -°C

Figure 4
Peak Forward Surge Current



Peak Forward Surge Current - Amperes *versus*
Number Of Cycles At 60Hz - Cycles

Figure 3
Junction Capacitance



Junction Capacitance - pF *versus*
Reverse Voltage - Volts